Index of Claims

| Application | /Control | l No. |
|-------------|----------|-------|

Applicant(s)/Patent under Reexamination

10/087,473

CARPENTER ET AL.

Examiner

Art Unit

Thaian N. Ton

1632

Rejected Allowed

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ī | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla          | aim      | Date   |  |         |           |           |          | Claim Date      |   |   |  |          | ate            | Claim           |          |   |         | aim      | Date     |                  |     |       |            |                |                 |           |              |          |          |  |          |           |
|--------------|----------|--|--|---------|-----------|-----------|----------|-----------------|---|---|--|----------|----------------|-----------------|----------|---|---------|----------|----------|------------------|-----|-------|------------|----------------|-----------------|-----------|--------------|----------|----------|--|----------|-----------|
|              |          | 9  |  | Т       | T         | Т         |          |                 |   |   |  | <u>a</u> |                |                 |          |   |         |          |          |                  |     |       | al         |                |                 |           |              |          |          |  | T        |           |
| Final        | Original | 1/31/06  |  |         |           |           |          |                 |   |   | Final  | Original |                |                 |          |   |         |          | 1 1      |                  |     | Final | Original   |                |                 |           |              |          | ł        |  | - 1      |           |
| Œ            | Ö        | 1/3  |  |         |           |           |          |                 |   |   | Œ  | ō        |                |                 |          |   |         |          |          |                  |     | Œ     | ŏ          |                |                 |           |              |          | -        |  | - [      |           |
| -            | 1        | 1  |  | +       | +-        | +         | +        | Н               | _ |   |  | 51       | Н              | $\dashv$        | +        | +   | +       | +        | Н        |                  | }   |       | 101        |                |                 | +         | +            | -        | +        | +  | +        | $\dashv$  |
| <del> </del> | 8        | Ľ  | ├┼   | +       | ╫         | ╁         | ┼        | $\vdash$        | _ |   | _  | 52       | Н              | $\vdash$        | $\dashv$ | +   | +       | ╁        | Н        | -                | ŀ   | _     | 102        | $\dashv$       | +               | +         | +            | +        | $\dashv$ | +  | +        | $\dashv$  |
| $\vdash$     | 3        | $\vdash$   | $\vdash$   | +       | +         | +         | +        | $\vdash$        | _ |   | _  | 53       | Н              | $\dashv$        | +        | +   | +       | ╁        | Н        |                  |     |       | 103        |                | +               | +         | +            | +        | 十        | +  | 十        | $\dashv$  |
| <b></b>      | 4        | 1  | $\vdash$   | +       | $\dagger$ | $\dagger$ | T        | H               |   |   |  | 54       | Н              | $\dashv$        | $\top$   | $\top$  | $\top$  | †        | Н        | <b>-</b>         | ľ   |       | 104        | $\neg$         |                 | $\top$    | 7            | 7        | 7        | 十  | 十        | ┪         |
|              | 5        | 1  | П  | ╅       | $\top$    | T         | T        | П               |   |   |  | 55       | П              | $\neg$          | 丁        | $\top$  | $\top$  | 1        | П        |                  |     |       | 105        | 7              |                 | T         | $\dashv$     | 寸        | 寸        | $\top$                                     | 十        | ヿ         |
|              | 6        | 1  |  | Î       | Т         | T         |          | П               |   |   |  | 56       |                |                 |          |   | T       |          | П        |                  |     |       | 106        |                |                 | Τ         |              |          | $\Box$   | $\Box$                                     | T        |           |
|              | <b>ገ</b> |  |  |         |           |           | <u> </u> |                 |   |   |  | 57       |                |                 |          |   |         |          |          |                  | [   |       | 107        |                |                 | Ι         | $\Box$       |          |          | $\Box$                                     | $\Box$   |           |
| L            | 8        | _  | $\sqcup$   | $\perp$ | ┸         | _         |          | Ш               |   |   |  | 58       | Ш              |                 | _        | ᆚ   | ┸       | $\perp$  | Ш        | _                |     |       | 108        |                |                 |           | ┙            | _        |          | _  | _        |           |
| <u> </u>     | g        |  | $\sqcup \bot$                                    | _       | 4         | ↓.        | $\perp$  | Ш               |   |   | L  | 59       | Ш              |                 | _        | _   | _       | -        | Ш        | _                |     |       | 109        |                | _               | 4         | 4            | 4        | _        | 4  | 4        | _         |
|              | 10       | _  | $\vdash$   | - -     |           | +-        | ╀-       | $\sqcup$        | _ |   |  | 60       |                |                 | _        | -   | $\bot$  | -        |          |                  |     |       | 110        |                |                 | 4         | 4            |          | 4        | 4  | $\dashv$ | 4         |
| <u></u>      | 11       | <u> </u>   | $\vdash \vdash$                                  | +       | +         | +         | +        | $\vdash \vdash$ |   |   | <b></b>  | 61       | $\vdash$       | -               | -        | +   | +       | +-       |          | :                |     |       | 111        | Щ              | $\dashv$        | 4         | 4            |          | -        | -  | +        | 긕         |
| ļ            | 12       |  | <del>                                     </del> | +       | +         | +         |          | $\vdash$        |   |   | -  | 62       | Н              | $\vdash$        | +        | +   | +       | +        | $\vdash$ |                  | 1   |       | 112<br>113 | $\vdash$       | +               | +         | +            | $\dashv$ | -+       | +  | +        | $\dashv$  |
| -            | 13<br>14 | _  | ⊢⊦   | +       | +         | +         | +        | $\vdash$        |   |   | <b> </b>   | 63<br>64 | $\vdash\vdash$ | $\vdash$        | }        | +   |         | +        | $\vdash$ | -                | ۱   |       | 113        | Н              | -               | +         | $\dashv$     | $\dashv$ | -+       | +  | +        | -         |
| $\vdash$     | 15       | $\vdash$   | $\vdash \vdash$                                  | +       | +         | +         | +        | $\vdash \vdash$ | _ |   | <del></del>                                      | 65       | $\vdash$       | $\vdash$        | +        | +   | +       | +        | ┼╌┤      | -                | ŀ   |       | 115        | $\vdash\vdash$ | -               | +         | $\dashv$     | $\dashv$ | $\dashv$ | +  | $\dashv$ | $\dashv$  |
| -            | 16       | $\vdash$   |  | +       | +         | +-        | +-       | $\vdash$        | _ |   | <del> </del>                                     | 66       | Н              | $\vdash$        | $\dashv$ | +   | +       | +        | ╁        |                  | ⊪   |       | 116        | Н              | +               | +         | +            | $\dashv$ | $\dashv$ | +  | +        | -         |
| <b></b>      | 17       | -  | ╁╼┼  | +       | +         | +         | +-       | $\vdash \vdash$ |   |   | <del>                                     </del> | 67       | Н              | $\vdash$        | $\dashv$ | +   | +       | +        | $\vdash$ | $\dashv$         | iil |       | 117        | Н              | $\dashv$        | +         | $\dashv$     | +        | $\dashv$ | +  | +        | $\dashv$  |
|              | 18       | ┢╌   | <del>   </del>                                   | +       | +-        | +-        | +        | $\vdash$        | _ |   |  | 68       | Н              | $\vdash$        | $\dashv$ | +   | +       | +        |          |                  |     |       | 118        | Н              | +               | +         | 7            | $\dashv$ | $\dashv$ | $\dashv$                                   | 十        | $\dashv$  |
| _            | 19       |  | - -  |         | $\top$    | +-        | +-       | Ħ               |   |   |  | 69       |                |                 |          | +   | 十       | +        |          |                  |     |       | 119        |                |                 | 十         | 寸            | $\dashv$ | _        | 十  | 1        | $\exists$ |
|              | 20       |  |  | $\top$  | +         | †         |          | П               |   |   |  | 70       | П              |                 | 寸        | $\top$  | $\top$  | 1        |          |                  |     |       | 120        | П              | $\neg$          | 十         | 寸            | 寸        | 7        | 十  | ヿ        | $\neg$    |
|              | 2        |  |  | Ť       | T         | 1         |          | П               |   |   |  | 71       |                |                 | 寸        | T   |         |          |          |                  |     |       | 121        |                |                 | T         |              | T        |          | T  | ヿ        | П         |
|              | 22       |  |  |         |           |           |          |                 |   |   |  | 72       |                |                 |          | $\top$  |         |          |          |                  |     |       | 122        |                |                 | Т         |              |          |          | $\Box$                                     | $\Box$   |           |
|              | 23       |  |  | $\perp$ | $\perp$   |           |          |                 |   |   |  | 73       |                |                 |          | $\Box$  |         |          |          |                  |     |       | 123        |                |                 |           |              |          |          | $\Box$                                     | $\Box$   |           |
|              | 24       |  |  |         | L         |           |          |                 |   |   |  | 74       |                |                 |          |   |         |          |          |                  |     |       | 124        |                |                 | $\perp$   |              |          |          | $\Box$                                     | $\Box$   |           |
|              | 25       | L  |  |         | $\perp$   |           |          |                 |   |   |  | 75       |                |                 |          |   |         |          |          |                  |     |       | 125        |                |                 | $\perp$   |              |          |          | $\dashv$                                   |          |           |
| ļ            | 26       | <u> </u>   | $\perp \perp$                                    | $\perp$ | $\perp$   | ┸         | ↓_       | Ш               |   |   | <u> </u>   | 76       | Ш              |                 |          | _   | $\perp$ | 1_       | Ц        | Щ                |     |       | 126        |                | $\perp$         | 4         | _            | _        | _        | 4  | $\dashv$ | _         |
|              | 27       | <u> </u>   | $\sqcup$   | 4       | $\bot$    | _         | ╄        | Ш               |   |   | <u> </u>   | 77       |                | Щ               | _        | _ _   | _       | 4        | $\sqcup$ | _                |     |       | 127        | Ш              | $\perp$         | 4         | 4            | _        | 4        | $\dashv$                                   | 4        | _         |
|              | 28       |  | $\sqcup$   | 4       | $\bot$    | <b>.</b>  | -        | $\sqcup$        |   |   | ļ  | 78       |                | Ш               | 4        | 4   |         |          |          |                  |     |       | 128        |                |                 | 4         | 4            | 4        | 4        | 4  | $\dashv$ | _         |
|              | 29       | ١,   | -  | +       | +         | +         | ┼        | $\vdash$        |   |   |  | 79       | $\square$      |                 | $\dashv$ | +   | +       | 4-       | $\vdash$ |                  |     |       | 129        | Н              | -               | +         |              |          | $\dashv$ | $\dashv$                                   | $\dashv$ | $\dashv$  |
|              | 30       | 1  |  | +       | +         | +         | ╂        | $\vdash$        |   |   | ├─   | 80<br>81 | $\vdash$       | $\vdash$        | $\dashv$ | +   | +       | +        | ╀─┤      |                  |     |       | 130        | Н              |                 | +         | $\dashv$     | -        | $\dashv$ | +  | +        | _         |
| -            | 31<br>32 | 1  |  | +       | +-        | +         | +        | $\vdash$        |   |   |  | 82       | $\vdash$       | Н               | $\dashv$ | +   | +       | +        | $\vdash$ |                  |     |       | 131<br>132 |                |                 | +         | $\dashv$     |          | $\dashv$ | +  | +        | -         |
| -            | 33       | <b>├</b> `                                       | ╁┼   | +       | +         | +-        | +        | ╁┤              |   |   |  | 83       |                | Н               | $\dashv$ | +   | +       | +        | ┤┤       |                  |     |       | 133        | Н              | -               | +         | $\dashv$     |          | $\dashv$ | +  | 十        | -         |
| <b>—</b>     | 34       | -  |  | +       | +         | +-        | +        | ╁╌┨             |   |   | <u> </u>   | 84       | $\vdash$       | Н               | $\dashv$ | +   | +       | +        | $\vdash$ | H                |     |       | 134        | H              | +               | +         | $\dashv$     |          | $\dashv$ | $\dashv$                                   | +        | —         |
|              | 35       | <del>                                     </del> |  | +       | +         | +         | +        | +               |   |   |  | 85       | $\vdash$       | H               | $\dashv$ | $\dashv$  | $\top$  | +        | $\vdash$ | H                |     |       | 135        | Н              | $\dashv$        | $\dagger$ | +            | ᅥ        | $\dashv$ | $\dashv$                                   | 十        | _         |
|              | 36       | 1  |  | +       | $\top$    | $\top$    | +        | $\vdash$        |   |   |  | 86       |                | H               | $\dashv$ | $\top$  | $\top$  | 1        | $\vdash$ |                  |     |       | 136        | $\vdash$       | $\neg \uparrow$ | $\top$    | 7            | ┪        | 7        | $\dashv$                                   | 寸        | _         |
|              | 37       |  |  | _       | 1         | $\top$    | 1        | П               |   |   |  | 87       | П              | $\Box$          | $\neg$   | $\top$  | +       | $\top$   | П        |                  |     |       | 137        | П              | $\Box$          | 7         | 寸            | ┪        | 寸        | 寸  | ヿ        | _         |
|              | 38       |  |  |         | 1         | $\top$    | $\top$   | $\Box$          |   |   |  | 88       | Г              |                 | 一        | $\top$  | $\top$  |          |          |                  |     |       | 138        |                |                 |           |              | T        | 寸        | ⇉  |          |           |
|              | 39       |  |  |         | Ι         | Ι         |          |                 |   |   |  | 89       |                |                 |          | $oldsymbol{ol}}}}}}}}}}}}}}}$ | I       | $\perp$  |          |                  |     |       | 139        |                |                 | Ι         |              | J        |          | $oldsymbol{oldsymbol{oldsymbol{\square}}}$ | $\Box$   |           |
|              | 40       |  | $\Box$   |         | $\perp$   | I         |          | П               |   |   |  | 90       |                |                 | $\Box$   | $\Box$  |         |          |          |                  |     |       | 140        |                |                 | I         |              |          | $\Box$   | $\bot$                                     | Ţ        |           |
|              | 41       | L  | $\perp \perp$                                    |         | $\perp$   |           |          | Ш               |   |   |  | 91       | Ш              |                 | [        |   | Т.      | <u> </u> | Ш        | Ш                |     |       | 141        |                |                 | 4         | $\perp$      | $\Box$   | $\perp$  | $\perp$                                    | $\perp$  |           |
| <u></u>      | 42       | _  |  | $\bot$  | 4         | _         | ╀-       | $\sqcup$        |   |   |  | 92       | <u> </u>       | Ш               | _        | $\perp$   | _       | 4        | $\sqcup$ | Щ                |     |       | 142        | Ш              |                 | 4         | $\downarrow$ | _        | _        | $\dashv$                                   | $\dashv$ |           |
| <u> </u>     | 43       | _  | -  | $\bot$  | +         | +         | 1        | $\sqcup$        |   |   |  | 93       | <u> </u>       | Ш               | -        | +   |         | $\perp$  | $\vdash$ | $\square$        |     |       | 143        | Ш              |                 | 4         | $\dashv$     | _        | _        | $\dashv$                                   | 4        |           |
| <u> </u>     | 44       | -  | $\vdash \vdash$                                  | +       | +         | +         | ╁.       | ╁╌┤             |   |   | <u> </u>   | 94       | <u> </u>       | $\vdash \vdash$ | $\dashv$ | +   |         | +-       | $\vdash$ | $\dashv$         |     |       | 144        | Н              | 1               | +         |              | -        | $\dashv$ | +  | +        |           |
|              | 45       |  | ├├-  | +       | +         | +-        | +-       | $\vdash \vdash$ |   |   | <u> </u>   | 95       | Н              | Н               | $\dashv$ | +   | +       | +        | $\vdash$ | otacluster       |     |       | 145        | Н              | $\vdash$        | +         | $\dashv$     | -        | -+       | +  | $\dashv$ | _         |
| <u> </u>     | 46<br>47 | $\vdash$   | $\vdash$   | +       | +-        | +         | +-       | ╂               |   |   | <u> </u>   | 96<br>97 | H              | Н               | $\dashv$ | +   | +       | +        | $\vdash$ | <del>     </del> |     |       | 146<br>147 | Н              | +               | +         | $\dashv$     | +        | -+       | $\dashv$                                   | +        | _         |
| $\vdash$     | 48       | ├-   | ├  | +       | +         | +         | ╫        | $\vdash$        |   |   | <del> </del>                                     | 98       | $\vdash$       | $\vdash$        | $\dashv$ | +   | +       | +        |          |                  |     |       | 148        | Н              | +               | +         | $\dashv$     | $\dashv$ | -+       | +  | +        | _         |
| <del></del>  | 49       | ├  | <del>   </del>                                   | +       | +         | +         | +-       |                 |   |   | <del> </del>                                     | 99       | Н              | $\vdash$        | $\dashv$ | ┰   | +       | +        | $\vdash$ |                  |     |       | 149        | Н              | +               | +         | $\dashv$     | $\dashv$ | -+       | $\dashv$                                   | $\dashv$ | _         |
| <b>—</b>     | 50       | $\vdash$   | -  | +       | +         | +         | +        | ┢═┪             |   |   | <del> </del>                                     | 100      | $\vdash$       | H               | $\dashv$ | +   | +       | +        | $\vdash$ | H                |     |       | 150        | Н              | +               | +         | $\dashv$     | $\dashv$ | $\dashv$ | +  | $\dashv$ | _         |
|              |          |  |  | L_      |           | _L_       |          | ᆫᅼ              |   | : | Щ.   | 100      | 1              | oxdot           |          |   | L_      | _1       | 1        | ::ــــا          | 1   |       | 130        |                |                 | ㅗ         | _1           | 1        |          |  | ㅗ        | _         |